



Attorney Docket No. : CGW-235.1US

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : George H. Beall and David L. Weidman  
Appl. No. : 09/203,166  
Filed : December 1, 1998  
For : AATHERMAL OPTICAL DEVICES EMPLOYING  
NEGATIVE EXPANSION SUBSTRATES (As Amended)  
Examiner : A. Ullah  
Group : 2874

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

AMENDMENT

In response to the Office Action dated January 22, 2001, please amend the above-identified application as follows:

IN THE CLAIMS:

Please amend the claims as follows:

1. Amend Claims 52, 54, 55, and 59 as indicated below.
- 2. Cancel, without prejudice, Claims 51 and 53.

A copy of original Claims 52, 54, 55, and 59 annotated to show the changes made by this amendment is attached as Exhibit A.

- 
52. An athermal optical device comprising:  
a negative expansion substrate having an upper surface; and  
a thermally sensitive, positive expansion optical component  
affixed to the substrate upper surface at at least two spaced apart locations;  
wherein the optical component is an optical fiber grating.



[cgw2351] Attorney Docket No. : CGW-235.1US

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\$2874 ✓

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CERTIFICATE OF MAILING

I hereby certify that the following correspondence attached hereto is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date below:

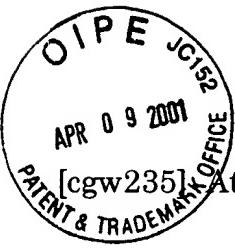
1. Amendment (9 pages; with attached Exhibits A-C)
2. Amendment Transmittal (2 pages)
3. Check for \$160.00
4. Certificate of Mailing (1 page; this page)
5. Return Receipt Postcard (1 card)

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Date Mailed: April 6, 2001

4/6/01  
Date Signed

Maurice Klee  
Maurice M. Klee, Ph.D.



[cgw235] Attorney Docket No. : CGW-235.1US

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AMENDMENT TRANSMITTAL

Transmitted herewith is an amendment in the above-identified application.

LARGE ENTITY

The fee has been calculated as shown below.

Total claims remaining after amendment	19		
Highest total claims previously paid for	<u>21</u>		
Number extra	0	x 18	\$ 0.00
Total independent claims remaining after amendment	7		
Highest independent claims previously paid for	<u>5</u>		
Number extra.	2	x 80	<u>\$ 160.00</u>
	Total		\$ 160.00

A check in the amount of \$160.00 is attached.

The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment, to Deposit Account No. 11-1158.

Throughout the prosecution of this application, the Commissioner is authorized to charge all fees under 37 CFR 1.17, including all required extension of time fees, to Deposit Account No. 11-1158.

Respectfully submitted,

Date: 4/6/01

Maurice Klee  
Maurice M. Klee, Ph.D.  
Reg. No. 30,399  
Attorney for Applicant  
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